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T. Maeda, Y. Kobayashi and K. Kishi, Growth of ultra-thin titanium oxide on Cu(100), Fe/Cu(100) and ordered ultra-thin iron oxide studied by low-energy electron diffraction and X-ray photoelectron spectroscopy 436 (1999) 249

L. Kubler, L. Simon and L.L. Bischoff, Comment on "X-ray photoelectron diffraction study of Si(001)c(4 × 4)-C surface" by Kosugi et al. [Surf. Sci. 412/413 (1998) 125] 436 (1999) 269

R. Kosugi, Y. Takakuwa and S. Kono, Reply to "Comment on 'X-ray photoelectron diffraction study of Si(001)c(4 × 4)-C surface' by Kosugi et al." [Surf. Sci. 412/413 (1998) 125] 436 (1999) 271

X-ray photoelectron spectroscopy

C. Hagendorf, K.-M. Schindler, T. Doege and H. Neddermeyer, A scanning tunneling microscopy, X-ray photoelectron spectroscopy and low-energy electron diffraction investigation of the $BaTiO_3(111)$ surface 436 (1999) 121

S.P. Chenakin, B. Heinz and H. Morgner, Angular and energy effects in sputtering of hexadecanethiol monolayers self-assembled on Ag(111) 436 (1999) 131

A. Cohen Simonsen, F. Yubero and S. Tougaard, Analysis of angle-resolved electron energy loss in XPS spectra of Ag, Au, Co, Cu, Fe and Si 436 (1999) 149

H.H. Huang, X. Jiang, H.L. Siew, W.S. Chin, W.S. Sim and G.Q. Xu, Oxidation and growth of Mg thin films on Ru(001) 436 (1999) 167

C.A. Papageorgopoulos, M. Kamaratos, D.C. Papageorgopoulos, D. Tonti, C. Pettenkofer and W. Jaegermann, Exchange reaction between Li and Na intercalated into TiS_2 436 (1999) 213

S. Pick, On the electronic structure of surface Pt–Sn alloys 436 (1999) 220

M. Della Negra, M. Sambi and G. Granozzi, Ultrathin $VO_x/TiO_2(110)$ ($x \approx 1$) film preparation by controlled oxidation of metal deposits 436 (1999) 227

T. Maeda, Y. Kobayashi and K. Kishi, Growth of ultra-thin titanium oxide on Cu(100), Fe/Cu(100) and ordered ultra-thin iron oxide studied by low-energy electron diffraction and X-ray photoelectron spectroscopy 436 (1999) 249

J. Storm, R.M. Lambert, N. Memmel, J. Onsgaard and E. Taglauer, Catalysis with monometallic and bimetallic films: Trimerization of acetylene to benzene on Pd/Ru(001) and (Pd + Au)/Ru(001) 436 (1999) 259

Synchrotron radiation photoelectron spectroscopy

T. Jirsak, J. Dvorak and J.A. Rodriguez, Adsorption of NO_2 on Rh(111) and Pd/Rh(111): photoemission studies 436 (1999) L683

S. Warren, W.R. Flavell, A.G. Thomas, J. Hollingworth, P.M. Dunwoody, S. Downes and C. Chen, Adsorption of H_2O on single crystal CuO 436 (1999) 1

Photon absorption spectroscopy

Infrared absorption spectroscopy

Y. Kobayashi, K. Sumitomo, K. Shiraishi, T. Urisu and T.

Ogino, Control of surface composition on Ge/Si(001) by atomic hydrogen irradiation 436 (1999) 9

Near edge extended X-ray absorption fine structure (NEXAFS)

T. Evans, A.P. Woodhead, A. Gutiérrez-Sosa, G. Thornton, T.J. Hall, A.A. Davis, N.A. Young, P.B. Wells, R.J. Oldman, O. Plashkevych, O. Vahtras, H. Ågren and V. Carravetta, Orientation of 10, 11-dihydrocinchonidine on Pt(111) 436 (1999) L691

Visible/ultraviolet absorption spectroscopy

A. Iline, M. Simon, F. Stietz and F. Träger, Adsorption of molecules on the surface of small metal particles studied by optical spectroscopy 436 (1999) 51

X-ray absorption spectroscopy

K. Baur and J. Hormes, The formation of intermetallic compounds in ion implanted aluminum and Ti6Al4V observed by X-ray absorption spectroscopy 436 (1999) 141

Photon stimulated desorption (non-electronic)

J. Falta, A. Hille, T. Schmidt and G. Materlik, X-ray photon-stimulated ion desorption revealed by standing waves 436 (1999) L677

Reflection spectroscopy

J. Bremer, J.-K. Hansen and O. Hunderi, The effect of sputtering-induced disorder on the surface dielectric tensor of Cu(110) 436 (1999) L735

Scanning tunneling microscopy

H. Nörenberg, F. Dinelli and G.A.D. Briggs, Network-like $(7\sqrt{2} \times \sqrt{2})R45^{\circ}$ surface reconstruction on rutile $TiO_2(001)$ by non-equilibrium self-organization 436 (1999) L635

F. Nouvertné, U. May, A. Rampe, M. Gruyters, U. Korte, R. Berndt and G. Güntherodt, Ordered surface alloying of Co monolayers on Cu(001) 436 (1999) L653

L.J. Whitman, B.R. Bennett, E.M. Kneedler, B.T. Jonker and B.V. Shanabrook, The structure of Sb-terminated GaAs(001) surfaces 436 (1999) L707

Y. Liu, A.J. Komrowski and A.C. Kummel, Scanning tunneling microscopy identification of surface species on the As-rich GaAs(001)-2 × 4:Br surface 436 (1999) 29

G. Gilarowski and H. Niehus, Intermixing and subsurface alloy formation: Ir on Cu(100) 436 (1999) 107

C. Hagendorf, K.-M. Schindler, T. Doege and H. Neddermeyer, A scanning tunneling microscopy, X-ray photoelectron spectroscopy and low-energy electron diffraction investigation of the $BaTiO_3(111)$ surface 436 (1999) 121

Thermal desorption spectroscopy

M.N. Rocklein and D.P. Land, Thermal surface chemistry of $Fe(CO)_5$ on Pd(111) studied by FT-TPD and LITD-FTMS 436 (1999) L702

J. Wang and B.E. Koel, Reactions of N_2O_4 with ice at low temperatures on the Au(111) surface 436 (1999) 15

M.Z. Hossain, T. Kubo, T. Aruga, N. Takagi, T. Tsuno, N. Fujimori and M. Nishijima, Chemisorbed states of atomic oxygen and its replacement by atomic hydrogen on the diamond (100)-(2 × 1) surface 436 (1999) 63

H.H. Huang, X. Jiang, H.L. Siew, W.S. Chin, W.S. Sim and G.Q. Xu, Oxidation and growth of Mg thin films on Ru(001) 436 (1999) 167

J. Storm, R.M. Lambert, N. Memmel, J. Onsgaard and E. Taglauer, Catalysis with monometallic and bimetallic films: Trimerization of acetylene to benzene on Pd/Ru(001) and (Pd + Au)/Ru(001) 436 (1999) 259

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P. Jonnard and C. Bonnelle, Insulator gap states at the Cu/MgO(001) interface by X-ray emission spectroscopy 436 (1999) L724

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J. Falta, A. Hille, T. Schmidt and G. Materlik, X-ray photon-stimulated ion desorption revealed by standing waves 436 (1999) L677

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Auger ejection

F. Yubero, A. Barranco, J.P. Espinós and A.R. González-Elipe, Anomalous behaviour in resonant Auger emission of SiO_x thin films 436 (1999) 202

Catalysis

T. Jirsak, J. Dvorak and J.A. Rodriguez, Adsorption of NO_2 on Rh(111) and Pd/Rh(111): photoemission studies 436 (1999) L683

J. Wang and B.E. Koel, Reactions of N_2O_4 with ice at low temperatures on the Au(111) surface 436 (1999) 15

S. Pick, On the electronic structure of surface Pt–Sn alloys 436 (1999) 220

J. Storm, R.M. Lambert, N. Memmel, J. Onsgaard and E. Taglauer, Catalysis with monometallic and bimetallic films: Trimerization of acetylene to benzene on Pd/Ru(001) and (Pd + Au)/Ru(001) 436 (1999) 259

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T. Jirsak, J. Dvorak and J.A. Rodriguez, Adsorption of NO_2 on Rh(111) and Pd/Rh(111): photoemission studies 436 (1999) L683

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M.N. Rocklein and D.P. Land, Thermal surface chemistry of $Fe(CO)_5$ on Pd(111) studied by FT-TPD and LITD-FTMS 436 (1999) L702
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S. Warren, W.R. Flavell, A.G. Thomas, J. Hollingworth, P.M. Dunwoody, S. Downes and C. Chen, Adsorption of H_2O on single crystal CuO 436 (1999) 1
J. Wang and B.E. Koel, Reactions of N_2O_4 with ice at low temperatures on the Au(111) surface 436 (1999) 15
A. Iline, M. Simon, F. Stietz and F. Träger, Adsorption of molecules on the surface of small metal particles studied by optical spectroscopy 436 (1999) 51
M.Z. Hossain, T. Kubo, T. Aruga, N. Takagi, T. Tsuno, N. Fujimori and M. Nishijima, Chemisorbed states of atomic oxygen and its replacement by atomic hydrogen on the diamond (100)-(2 × 1) surface 436 (1999) 63

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R. Azria, Y. Le Coat, M. Lachgar, M. Tronc, L. Parenteau and L. Sanche, Effects of morphology in electron-stimulated desorption: O^- from O_2 condensed on D_2O films grown at 15–150 K on Pt 436 (1999) L671

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R. Azria, Y. Le Coat, M. Lachgar, M. Tronc, L. Parenteau and L. Sanche, Effects of morphology in electron-stimulated desorption: O^- from O_2 condensed on D_2O films grown at 15–150 K on Pt 436 (1999) L671
P. Jonnard and C. Bonnelle, Insulator gap states at the Cu/MgO(001) interface by X-ray emission spectroscopy 436 (1999) L724

Electron stimulated desorption

R. Azria, Y. Le Coat, M. Lachgar, M. Tronc, L. Parenteau and L. Sanche, Effects of morphology in electron-stimulated desorption: O^- from O_2 condensed on D_2O films grown at 15–150 K on Pt 436 (1999) L671

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M. Della Negra, M. Sambi and G. Granozzi, Ultrathin $VO_x/TiO_2(110)$ ($x \approx 1$) film preparation by controlled oxidation of metal deposits 436 (1999) 227
M.H. Langelaar and D.O. Boerma, Specular reflection of low-energy ions during homoepitaxial growth of Ag(100) 436 (1999) 237

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T.E. Karakasidis and G.A. Evangelakis, Cation vacancy diffusion on the NiO(001) surface by molecular dynamics simulations 436 (1999) 193

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R. Azria, Y. Le Coat, M. Lachgar, M. Tronc, L. Parenteau and L. Sanche, Effects of morphology in electron-stimulated desorption: O^- from O_2 condensed on D_2O films grown at 15–150 K on Pt 436 (1999) L671
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P. Jonnard and C. Bonnelle, Insulator gap states at the Cu/MgO(001) interface by X-ray emission spectroscopy 436 (1999) L724

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J. Bremer, J.-K. Hansen and O. Hunderi, The effect of sputtering-induced disorder on the surface dielectric tensor of Cu(110) 436 (1999) L735

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D. Mocuta, J. Ahner, J.-G. Lee, S. Denev and J.T. Yates, Jr., Self-organized nanostructures: an ESDIAD study of the striped oxidized Cu(110) surface 436 (1999) 72

Oxidation

D. Mocuta, J. Ahner, J.-G. Lee, S. Denev and J.T. Yates, Jr., Self-organized nanostructures: an ESDIAD study of the striped oxidized Cu(110) surface 436 (1999) 72
H.H. Huang, X. Jiang, H.L. Siew, W.S. Chin, W.S. Sim and G.Q. Xu, Oxidation and growth of Mg thin films on Ru(001) 436 (1999) 167

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A. Ishii and T. Kawamura, Monte Carlo simulation of homoepitaxial growth on two-component compound semiconductor surfaces 436 (1999) 38

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R. Azria, Y. Le Coat, M. Lachgar, M. Tronc, L. Parenteau and L. Sanche, Effects of morphology in electron-stimulated desorption: O^- from O_2 condensed on D_2O films grown at 15–150 K on Pt 436 (1999) L671

Radiation damage

R. Azria, Y. Le Coat, M. Lachgar, M. Tronc, L. Parenteau and L. Sanche, Effects of morphology in electron-stimulated

desorption: O^- from O_2 condensed on D_2O films grown at 15–150 K on Pt 436 (1999) L671

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G. Bar, R. Brandsch and M.-H. Whangbo, Correlation between frequency-sweep hysteresis and phase imaging instability in tapping mode atomic force microscopy 436 (1999) L715

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S.P. Chenakin, B. Heinz and H. Morgner, Angular and energy effects in sputtering of hexadecanethiol monolayers self-assembled on Ag(111) 436 (1999) 131

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M.N. Rocklein and D.P. Land, Thermal surface chemistry of $Fe(CO)_5$ on Pd(111) studied by FT-TPD and LITD-FTMS 436 (1999) L702

Y. Kobayashi, K. Sumitomo, K. Shiraishi, T. Urisu and T. Ogino, Control of surface composition on Ge/Si(001) by atomic hydrogen irradiation 436 (1999) 9

J. Wang and B.E. Koel, Reactions of N_2O_4 with ice at low temperatures on the Au(111) surface 436 (1999) 15

P.J. Hay, R.C. Boehm, J.D. Kress and R.L. Martin, Theoretical studies of H_2 desorption processes in chemical vapor deposition of boron-doped silicon surfaces 436 (1999) 175

J. Storm, R.M. Lambert, N. Memmel, J. Onsgaard and E. Taglauer, Catalysis with monometallic and bimetallic films: Trimerization of acetylene to benzene on Pd/Ru(001) and (Pd + Au)/Ru(001) 436 (1999) 259

Surface diffusion

V. Chirita, E.P. Münger, J.E. Greene and J.-E. Sundgren, Reptation: a mechanism for cluster migration on (111) face-centered-cubic metal surfaces 436 (1999) L641

J. Ma, X. Xiao and M.M.T. Loy, Experimental study of surface diffusion rate enhancement along steps: CO on Pt(111) 436 (1999) L661

S. Jeong and A. Oshiyama, Energetics and kinetics for Si–Ge intermixing on Ge-adsorbed hydrogenated Si(100) surfaces 436 (1999) L666

Surface electronic phenomena (work function, surface potential, surface states, etc.)

C.M. Fang, R.A. de Groot, M.M.J. Bischoff and H. van Kempen, Influence of a spin-polarized tip on the Fe(001) surface 436 (1999) L648

J. Bremer, J.-K. Hansen and O. Hunderi, The effect of sputtering-induced disorder on the surface dielectric tensor of Cu(110) 436 (1999) L735

S. Warren, W.R. Flavell, A.G. Thomas, J. Hollingworth, P.M. Dunwoody, S. Downes and C. Chen, Adsorption of H_2O on single crystal CuO 436 (1999) 1

Surface energy

S. Jeong and A. Oshiyama, Energetics and kinetics for Si–Ge intermixing on Ge-adsorbed hydrogenated Si(100) surfaces 436 (1999) L666

C.Z. Wang, B.C. Pan, J.B. Xiang and K.M. Ho, Adatom vacancies on the Si(111)-(7 × 7) surface 436 (1999) L697

Y.F. Zhao, S.J. Pang, S. Liu and S.S. Xie, Bond-responsive relaxation model: a microscopic property of a Si(111)-7 × 7 surface responding to the desorption of single adatoms 436 (1999) L729

Surface relaxation and reconstruction

H. Nörenberg, F. Dinelli and G.A.D. Briggs, Network-like $(7\sqrt{2} \times \sqrt{2})R45^\circ$ surface reconstruction on rutile $TiO_2(001)$ by non-equilibrium self-organization 436 (1999) L635

Y.F. Zhao, S.J. Pang, S. Liu and S.S. Xie, Bond-responsive relaxation model: a microscopic property of a Si(111)-7 × 7 surface responding to the desorption of single adatoms 436 (1999) L729

D. Mocuta, J. Ahner, J.-G. Lee, S. Denev and J.T. Yates, Jr., Self-organized nanostructures: an ESDIAD study of the striped oxidized Cu(110) surface 436 (1999) 72

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S. Jeong and A. Oshiyama, Energetics and kinetics for Si–Ge intermixing on Ge-adsorbed hydrogenated Si(100) surfaces 436 (1999) L666

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R. Azria, Y. Le Coat, M. Lachgar, M. Tronc, L. Parenteau and L. Sanche, Effects of morphology in electron-stimulated desorption: O^- from O_2 condensed on D_2O films grown at 15–150 K on Pt 436 (1999) L671

J. Falta, A. Hille, T. Schmidt and G. Materlik, X-ray photon-stimulated ion desorption revealed by standing waves 436 (1999) L677

L.J. Whitman, B.R. Bennett, E.M. Kneedler, B.T. Jonker and B.V. Shanabrook, The structure of Sb-terminated GaAs(001) surfaces 436 (1999) L707

J. Bremer, J.-K. Hansen and O. Hunderi, The effect of sputtering-induced disorder on the surface dielectric tensor of Cu(110) 436 (1999) L735

G. Gilarowski and H. Niehus, Intermixing and subsurface alloy formation: Ir on Cu(100) 436 (1999) 107

C. Hagendorf, K.-M. Schindler, T. Doege and H. Neddermeyer, A scanning tunneling microscopy, X-ray photoelectron spectroscopy and low-energy electron diffraction investigation of the $BaTiO_3(111)$ surface 436 (1999) 121

T.E. Karakasidis and G.A. Evangelakis, Cation vacancy diffusion on the NiO(001) surface by molecular dynamics simulations 436 (1999) 193

T. Maeda, Y. Kobayashi and K. Kishi, Growth of ultra-thin titanium oxide on Cu(100), Fe/Cu(100) and ordered ultra-thin iron oxide studied by low-energy electron diffraction and X-ray photoelectron spectroscopy 436 (1999) 249

L. Kubler, L. Simon and L.L. Bischoff, Comment on "X-ray photoelectron diffraction study of Si(001)c(4 × 4)-C surface" by Kosugi et al. [Surf. Sci. 412/413 (1998) 125] 436 (1999) 269

R. Kosugi, Y. Takakuwa and S. Kono, Reply to "Comment on 'X-ray photoelectron diffraction study of Si(001)c(4 × 4)-C surface' by Kosugi et al." [Surf. Sci. 412/413 (1998) 125] 436 (1999) 271

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Plasmons

A. Cohen Simonsen, F. Yubero and S. Tougaard, Analysis of angle-resolved electron energy loss in XPS spectra of Ag, Au, Co, Cu, Fe and Si 436 (1999) 149

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J. Wang and B.E. Koel, Reactions of N_2O_4 with ice at low temperatures on the Au(111) surface 436 (1999) 15

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Y. Kobayashi, K. Sumitomo, K. Shiraishi, T. Urisu and T. Ogino, Control of surface composition on Ge/Si(001) by atomic hydrogen irradiation 436 (1999) 9

J. Wang and B.E. Koel, Reactions of N_2O_4 with ice at low temperatures on the Au(111) surface 436 (1999) 15

M.Z. Hossain, T. Kubo, T. Aruga, N. Takagi, T. Tsuno, N. Fujimori and M. Nishijima, Chemisorbed states of atomic oxygen and its replacement by atomic hydrogen on the diamond (100)-(2 × 1) surface 436 (1999) 63

Wetting

K. Madih-Ayadi, S. Rakotozafy, T. Ceva, B. Croset, N. Dupont-Pavlovsky, P. Convert, I. Mirebeau and E. Ressouche, Growth mode of dichloromethane physisorbed on graphite. Thermodynamic and structural characterizations 436 (1999) 99